

### **Module 3 Assignment** Problem 6

First 5 Dimension Tables:

1. **Franchise table**

Simplest as same as ERD Table of Franchise.

Franchise			
<u>FranchId</u>	FranchRegion	FranchPostalCode	FranchModelType
F1	Northwest	98011	Full
F2	Mountain	80111	Medium
F3	Central	45236	Limited

2. **Member**

First 3 rows are taken directly from the Member Table given in the ERD Diagram.

Next 1 Row (George) is the Guest Customer , he is given Type G.

Next 3 Rows (Corporate Customers) are given Type. C

MemEmail is NULL for some can be collected.

There is MemDate given for Guest or Corporate Customers.

Member					
<u>MemId</u>	MemName	MemDate	MemEmail	MemType	MemZip
1111	Joe	1-Feb-2009	<a href="mailto:joe@serv1.com">joe@serv1.com</a>	M1	98011
2222	Mary	1-Jan-2010	<a href="mailto:mary@serv2.com">mary@serv2.com</a>	M2	80112
3333	Sue	3-Mar-2011	<a href="mailto:sue@serv3.com">sue@serv3.com</a>	M3	45327
4444	George		<a href="mailto:george@serv4.com">george@serv4.com</a>	G	45236
5555	Frist Data			C	80113
6666	DU Tennis			C	89256
7777	Creek High School			C	83698

### 3.Product

ProdId is of three types:

PSC for Services

PS for Special Events

M for Membership

<b>Product</b>		
<u>ProdId</u>	<i>ProdName</i>	<i>ProdType</i>
<u>M1</u>	Gold	Membership
<u>M2</u>	Platinum	Membership
<u>M3</u>	value	Membership
PSC1	Ball machine	Service
PSC2	Private lesson	Service
PSC3	Adult class	Service
PSC4	Child class	Service
PS1	Adult social	Special Event
PS2	Pioneer social	Special Event
PS3	Team practice	Special Event

### 4.Merchandise

MerchId starts from MC.

<b>Merchandise</b>		
<u>MerchId</u>	<i>MerchName</i>	<i>MerchType</i>
MC1	Wilson balls	Balls
MC2	Wilson racket	Racket
MC3	Adidas shoes	Shoes
MC4	Racket stringing	Racket

## 5. Calendar

As mentioned in the question:

Your sample rows should include all revenue events in the range February 10, 2013 to February 21, 2013. CalId starts from letter C.

<b>Calendar</b>			
<u>CalId</u>	<u>CalDay</u>	<u>CalMonth</u>	<u>CalYear</u>
C1	10	2	2013
C2	11	2	2013
C3	12	2	2013
C4	13	2	2013
C5	14	2	2013
C6	15	2	2013
C7	16	2	2013
C8	17	2	2013
C9	18	2	2013
C10	19	2	2013
C11	20	2	2013
C12	21	2	2013

There are one Fact Table

## 6. SalesRecord :Analyzing these records given in the source ERD:

<b>Sale</b>		
<u>SaleId</u>	<u>SaleDate</u>	<u>MmbrId</u>
1111	10-Feb-2013	1111
2222	13-Feb-2013	2222
3333	13-Feb-2013	2222
4444	14-Feb-2013	3333

<b>Contains</b>		
<u>MerchId</u>	<u>SaleId</u>	<u>Qty</u>
MC1	1111	2
MC2	1111	1
MC4	2222	1
MC3	3333	1
MC4	4444	1

<b>ServicePurchase</b>			
<u>ServPurchId</u>	<u>ServPurchDate</u>	<u>MmbrId</u>	<u>PassCatId</u>
1111	13-Feb-2013	1111	SC1
2222	14-Feb-2013	2222	SC2
4444	15-Feb-2013	4444	SC3

<b>Special Events Worksheet</b>					
<u>Corporate Customer Id</u>	<u>Corporate Customer Name And Location</u>	<u>Event Type Code</u>	<u>Event Name</u>	<u>Event Date</u>	<u>Amount</u>
CC1	First Data, Greenwood Village	L-A	Adult Social	13-Feb-2013	\$1,000
CC2	DU Tennis, Denver	L-B	Pioneer Social	14-Feb-2013	\$500
CC3	Creek High School, Greenwood Village	L-C	Team Practice	21-Feb-2013	\$200

Five Entries from Contains Table,  
 Next Three from ServicePurchaseTable,  
 NextThree from SpecialEvents Table  
 Last three are Membership.  
 There will be Null values here.  
 Franchise Id's are randomly written.

<u>RecordNo</u>	<i>isMerchandise</i>	<i>isService</i>	<i>MerchId</i>	<i>MemId</i>	<i>CallId</i>	<i>ProdId</i>	<i>FranchId</i>	<i>SalesQty</i>	<i>SalesUnitPrice(\$)</i>	<i>TotalAmt(\$)</i>
1	Yes	No	MC1	1111	C1	NULL	F1	2	3	6
2	Yes	No	MC2	1111	C1	NULL	F1	1	200	200
3	Yes	No	MC4	2222	C3	NULL	F2	1	40	40
4	Yes	No	MC3	3333	C3	NULL	F3	1	100	100
5	Yes	No	MC4	4444	C4	NULL	F1	1	40	40
6	No	Yes	NULL	1111	C3	PSC1	F2	1	15	15
7	No	Yes	NULL	2222	C4	PSC2	F3	1	75	75
8	No	Yes	NULL	4444	C5	PSC3	F1	1	150	150
9	No	Yes	NULL	5555	C3	PS1	F2	1	1000	1000
10	No	Yes	NULL	6666	C4	PS2	F3	1	500	500
11	No	Yes	NULL	7777	C12	PS3	F2	1	200	200
12	No	Yes	NULL	1111	C2	M2	F3	1	800	800
13	No	Yes	NULL	2222	C3	M1	F2	1	1000	1000
14	No	Yes	NULL	3333	C4	M3	F1	1	300	300